

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number
WO 03/075894 A1

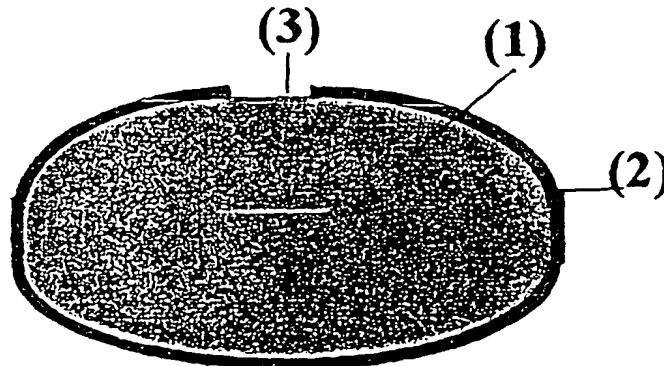
- (51) International Patent Classification⁷: A61K 9/22 (74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi S.P.A., Corso di Porta Vittoria 9, I-20122 Milan (IT).
- (21) International Application Number: PCT/EP03/02537
- (22) International Filing Date: 12 March 2003 (12.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
MI2002A000515 12 March 2002 (12.03.2002) IT
- (71) Applicant (for all designated States except US): JAGOTEC AG [CH/CH]; Eptingerstrasse 51, CH-4132 Muttlenz (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): CONTE, Ubaldo [IT/IT]; Via Treviglio, 6, I-21052 Busto Arsizio (IT). MAGGI, Lauretta [IT/IT]; Via Folperti, 3, I-27100 Pavia (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

[Continued on next page]

(54) Title: A SYSTEM FOR THE CONTROLLED RELEASE OF ACTIVE INGREDIENTS



(57) Abstract: A new release system is disclosed for releasing one or more active substances vehicularised in it, at a predetermined rate and duration. The system is constituted by a pharmaceutical tablet, coated with a film of polymeric material impermeable and insoluble in aqueous fluids; on the coating film, one or more apertures of geometrically precise size and shape are made, through the use of a laser beam of appropriate power and intensity, in a way such that the active ingredient contained in the therapeutic system is released only from the non coated portion of the tablet surface at the desired rate and time. The technology for manufacturing such system is also described.

WO 03/075894 A1

BEST AVAILABLE COPY